

KERR-ADDISON GOLD MINES LTD.

GEOPHYSICAL & GEOCHEMICAL INVESTIGATION

Of

FAULT (25 - 40) MINERAL CLAIMS

OWNER: Angus MacDonald,
2090 West 44th Avenue,
Vancouver, B. C.

Located About 3 Miles West Of

Merritt, B. C.

Nicola M.D.

50°N - 120°W

By

W. M. SIROLA, P.Eng.

May, 1962.

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INTRODUCTION

In May and June of 1961, Angus MacDonald of 2090 West 44th Avenue in Vancouver staked a group of 40 Mineral Claims starting from a point 3 miles West of Merritt, on Lindley Creek, and extending 3 miles South from that point.

Kerr-Addison Gold Mines Ltd. began investigation of the Claims in March of 1962 and instituted a line cutting, geophysical and geochemical programme.

The following Report covers the work done on the Fault 25 - 40 Mineral Claims.

SCHEDULE OF CLAIMS COVERED BY THE REPORT

<u>CLAIM:</u>	<u>TAG NO:</u>	<u>STAKING DATE:</u>	<u>RECORDING DATE:</u>	<u>RECORD NO:</u>	<u>LICENSE NO:</u>
Fault 25	896486	May 26th/61	June 9th/61	14740	49767
" 26	96492	"	"	41	"
" 27	495	"	"	42	"
" 28	496	"	"	43	"
" 29	497	"	"	44	"
" 30	500	"	"	45	"
" 31	286103	"	"	46	"
" 32	104	"	"	47	"
" 33	106	"	"	48	"
" 34	107	"	"	49	"
" 35	108	"	"	50	"
" 36	109	"	"	51	"
" 37	110	"	"	52	"
" 38	277860	"	"	53	"
" 39	885	"	"	54	"
" 40	886	"	"	55	"

The above Claims are held in the name of Angus MacDonald of 2090 West 44th Avenue, Vancouver, B.C. Kerr-Addison Gold Mines Ltd. has an option, valid to December 31st, 1964, to purchase the Claims from MacDonald.

COST STATEMENT

<u>NAME:</u>	<u>JOB:</u>	<u>DAYS:</u>	<u>RATE:</u>	<u>TOTAL:</u>
Wilson: C.	Line Cutter	12	\$15. per day	\$ 180.00
Gautier: W.	Line Cutter	12	\$15. per day	180.00
MacDonald: A.	Geologist-Technician	26	\$20. per day	520.00
Williamson: T.	Technician-Draftsman	34	\$18. per day	612.00
Sirola: W. M.	Supervision	8	\$30. per day	<u>240.00</u>
				<u>\$ 1,732.00</u>

LABOUR DISTRIBUTION - Fault Group:Line Cutting:

Line Cutters	24	Shifts @ \$15.	\$ 360.00
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Self-Potential Survey:

Geologist-Technician	13	Shifts @ \$20.	260.00
Technician	13	" @ \$18.	234.00

Geochemical Survey:

Geologist-Technician	13	Shifts @ \$20.	260.00
Technician	17	" @ \$18.	306.00

Drafting:

Draftsman	4	Shifts @ \$18.	72.00
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Supervision:

Exploration Geologist	8	Shifts @ \$30.	<u>240.00</u>
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\$ 1,732.00

SUMMARY OF TOTAL COSTS FOR FAULT GROUP (25 - 40)

Wages and Salaries	\$ 1,732.00
Camp Operating	450.00
Motor Vehicle Operating	<u>150.00</u>
	\$ 2,322.00
	<u><u> </u></u>

I hereby certify that the above is a true and correct statement of direct costs assignable to line cutting, geophysical surveys and geochemical surveys carried out on the Fault 25 - 40 group of Mineral Claims described in this Report.

W. M. SIROLA, P.Eng.

SELF-POTENTIAL SURVEY

A base line, bearing 0.15° , was cut and chained at 100' intervals. Cross lines were then run at 400' intervals at right angles to the base line. Self-Potential readings were taken at 100' intervals, first on the base line and then on the cross lines.

The instrument used was a null balance transistorized Potentiometer equipped with porous electrodes. The electrodes are connected through a commutator-equipped reel which holds 2,000' of No. 8 AWG wire.

All readings were adjusted daily for any potential differences between the porous electrodes. These differences were usually under 4 mv's.

GEOCHEMICAL SURVEY

The grid established for the Self-Potential survey was also used for the Geochemical survey. The procedure adopted was Warren and Delavault's* Rubenic Acid Field Test.

Soil samples were collected at 200' spacings on both the base line and the cross lines (see accompanying map in pocket). A level teaspoon-full of soil was collected at an average depth of 4" from the slightly brown coloured horizon below the litter of humus. The collected samples were then analysed in a field laboratory.

Basically, the method is a semi-quantitative indicator of that copper content in soils which is extractable by cold acetic acid. Any copper in the soils shows up as a blue dot on litmus paper which has been previously treated with Rubenic acid.

INTERPRETATION OF SELF-POTENTIAL RESULTS

The variation in Self-Potential readings is considered too small to be indicative of mineral conductors. The variations, which range from a maximum of +68 to -7, are believed to result from variations in depth of cover and in topography, and to some extent in the movement of ground waters. If one electrode is in dry ground and the other in wet ground, potentials up to 50 mv's may result. Occasionally, telluric currents will produce minor variations.

* Rubenic Acid Field Test
by Harry V. Warren & Robert G. Delavault
Western Miner and Oil Review - January, 1959

INTERPRETATION OF GEOCHEMICAL RESULTS

No significant geochemical anomalies were found. In one location, on line 7600S at 2600E, a slight anomalous condition was found but no importance is attached to this isolated occurrence. No ores were found which could be deemed worthy of additional investigation.

CONCLUSIONS

No evidence of any mineralization was found by either the Self-Potential or Geochemical procedures used on the Fault 23 - 40 Mineral Claims. Portions of the claims were covered with younger cap rocks of the Spences Bridge and Kingsvale series and in these areas, the value of the work done is doubtful. However, over most of the claim area, the procedures used are considered effective.

June 8th, 1962.

William M. Sirois, P.Eng.

SCHEDULE OF ACCOMPANYING MAPS

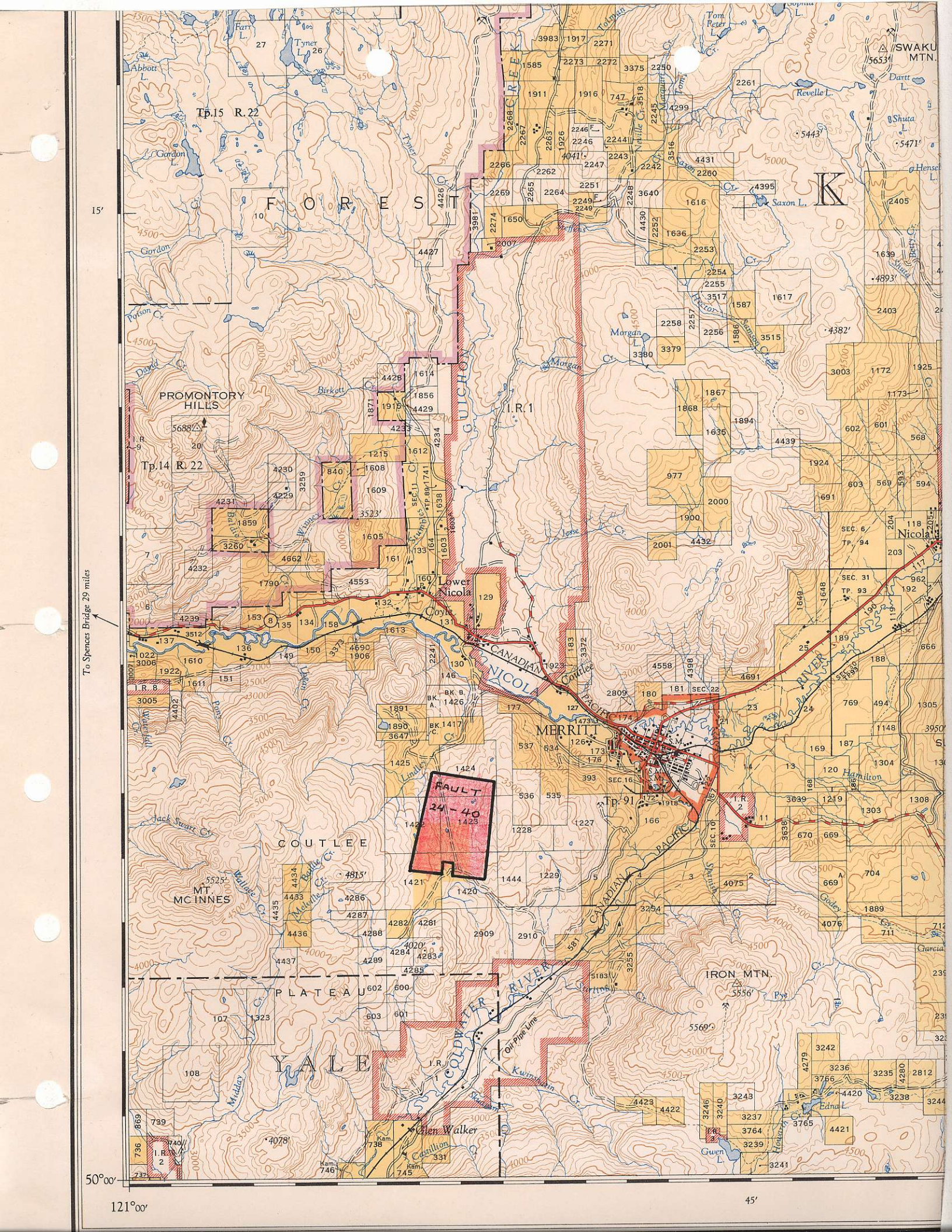
The Key Map for the area is attached to the back of the Report. The other maps shown on the Schedule are in the back pocket.

- (1) Key Map

- (2) Geological Plan - Scale 1" = 400'

- (3) Plan of Claims and Self-Potential Survey
Scale 1" = 400'

- (4) Plan of Claims and Geochemical Survey
Scale 1" = 400'



15'

To Spencers Bridge 29 miles

50°00'

121°00'

45'